Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/01/2016 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124986	-1	2.14	124864	2.12
Blue	F	SSC	125000	124506	-1	3.86	125060	3.62
Blue	E	FITC	22946	22348	-3	2.69	988	9.48
Blue	D	PE	28770	28163	-3	2.30	1008	9.10
Blue	B	PerCP-Cy5-5	51099	50384	-2	3.49	1445	15.93
Blue	A	PE-Cy7	42312	41848	-2	5.02	650	32.71
Red	C	APC	52169	51461	-2	2.83	2977	9.18
Red	A	APC-Cy7	56705	55756	-2	2.84	1155	10.94
Violet	B	V450	14708	14095	-5	3.69	679	9.03
Violet	A	V500	58608	57401	-3	3.46	2547	6.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20013	4.56	595	-3	N/A	N/A	Pass
Blue	F	SSC	62015	2.59	523	5	N/A	N/A	Pass
Blue	E	FITC	113	36.20	531	0	0.0255	181	Pass
Blue	D	PE	221	25.59	526	0	0.1796	167	Pass
Blue	B	PerCP-Cy5-5	227	41.14	622	0	0.0115	58	Pass
Blue	A	PE-Cy7	73	105.90	670	-1	0.0140	12	Pass
Red	C	APC	349	26.91	588	-2	0.0219	90	Pass
Red	A	APC-Cy7	127	38.73	573	-3	0.0059	1553	Pass
Violet	B	V450	81	40.43	465	6	0.0400	1364	Pass
Violet	A	V500	186	22.40	495	7	0.0139	296	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.32	-31.01	0.83
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	18.09	13.27 - 19.91	N/A	N/A	31.55	31.77	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10289

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments